ABSTRACT

A load sensor hardly causing error in weight measurement even when the environmental temperature of the load sensor varies, and a seat weight measuring apparatus using the load sensor. The sensor includes a plurality of strain gauges form a bridge circuit. The strain gauges forming the bridge circuit are attached to the front and back surfaces of a base plate at substantially the same location. Portions of a flexible substrate, on which the strain gauges are formed, are folded and adhered to the back of the sensor plate with adhesive. The bridge circuit formed by the strain gauges compensates for the variation in resistance among the strain gauges generated due to the temperature distribution of the base plate, resulting in little or no variation in output.